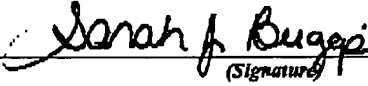


<b>CERTIFICATE OF TRANSMISSION BY FACSIMILE (37 CFR 1.8)</b>			Docket No. 2000-0086-13
Applicant(s): William n. Partlo et al.			
Patent Application No. 6,778,584	Issue Filing Date August 17, 2004	Examiner N/A	Group Art Unit N/A
Invention: <b>HIGH POWER GAS DISCHARGE LASER WITH HELIUM PURGED LINE NARROWING UNIT</b>			
6 pages transmitted			
I hereby certify that this <u>Request for Certificate of Correction &amp; Form PTO-1050</u> (Identify type of correspondence) is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. <u>(703) 872-9306</u> ) on <u>November 22, 2004</u> (Date)			
<div style="text-align: center;">Sarah J. Briggs (Typed or Printed Name of Person Signing Certificate)  (Signature)</div>			
Note: Each paper must have its own certificate of mailing.			
<b>RECEIVED</b> <b>CENTRAL FAX CENTER</b> <b>NOV 22 2004</b>			

P18/REV02

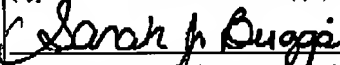
## CERTIFICATE OF FACSIMILE TRANSMISSION

Date of Deposit: November 22, 2004

I hereby certify that this paper or fee is sent via facsimile to (703) 872-9306 services under 37 C.F.R. 1.8 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Sarah J. Briggs

(Type or Print Name of Person faxing papers or fees)



(Signature of Person faxing papers or fees)

Cymer Docket No. 2000-0086-13

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent No.: 6,778,584

Issue Date: August 17, 2004

Appl. No.: 09/716,041

Filed: November 17, 2000

For: HIGH POWER GAS DISCHARGE  
LASER WITH HELIUM PURGED LINE  
NARROWING UNIT

Certificate of Corrections Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

## REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR § 1.323

Dear Sir:

Applicants respectfully request the United States Patent Office to correct the above-identified patent to correct grammatical and typographical errors in the claims that are Applicants' fault. Such mistakes occurred in good faith and do not add new matter.

Applicants request correction of the U.S. patent as follows:

--1. A grating based line narrowing device for line narrowing a laser producing a high energy laser beam, said device comprising:

- (A) a grating defining a grating face,
- (B) a chamber for housing at least said grating,

Atty Docket No. 2000-0086-13  
USPN 6,778,584

(C) a helium source for providing a helium purge for purging said chamber,

(D) a beam expanding means for expanding ~~thea~~ beam from said laser to produce an expanded beam,

(E) a tuning means for directing said expanded beam onto the grating face in order to select ~~form~~from said expanded beam a desired range of wavelength[s], wherein said expanded beam heats said grating face producing a temperature increase in said grating face which in turn heats the helium purge gas in a hot purge gas layer adjacent to said grating face, and further comprising a purged gas manifold for directing helium purge gas across the grating face to remove said hot purge gas layer to reduce optical distortion caused by said hot purge gas layer to reduce optical distortion caused by said hot purge gas layer.--

--5. A device as in claim 4 wherein said slot is in the form of a long rectangular shaped nozzle.--

--11. A device as in claim 1 and further comprising a ~~feedback~~feedback grating curvature control mechanism for providing active control of the curvature of said grating face.

#### Remarks

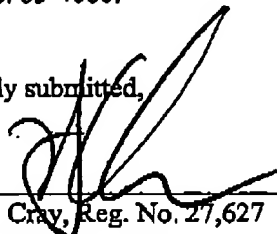
These corrections are of a "minor" character and do not constitute new matter or materially affect the scope of the patent.

Atty Docket No. 2000-0086-13  
USPN 6,778,584

### Conclusion

Enclosed is FORM PTO-1050 requesting correction of the above-referenced U.S. Patent. This correction is Applicants' mistake. Therefore Applicants hereby authorize the Commissioner to charge \$100.00 to Applicants' Deposit Account No. 03-4060 for the Certificate of Correction fee. Applicants also authorized the Commissioner to charge any additional fees, or to credit any overpayment to Applicants' Deposit Account No. 03-4060.

Respectfully submitted,



William C. Cray, Reg. No. 27,627  
Attorney for Applicant(s)

Dated: November 22, 2004

Cymer, Inc.  
Legal Department, MS/4-2C  
17075 Thornmint Court  
San Diego, California 92127-2413  
Telephone: (858) 385-7185  
Facsimile: (858) 385-6025

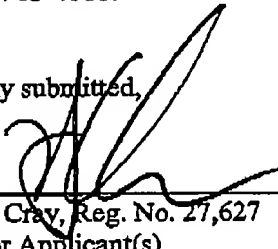
COPY

Atty Docket No. 2000-0086-13  
USPN 6,778,584

**Conclusion**

Enclosed is FORM PTO-1050 requesting correction of the above-referenced U.S. Patent. This correction is Applicants' mistake. Therefore Applicants hereby authorize the Commissioner to charge \$100.00 to Applicants' Deposit Account No. 03-4060 for the Certificate of Correction fee. Applicants also authorized the Commissioner to charge any additional fees, or to credit any overpayment to Applicants' Deposit Account No. 03-4060.

Respectfully submitted,



Dated: November 22, 2004

William C. Cray, Reg. No. 27,627  
Attorney for Applicant(s)

Cymer, Inc.  
Legal Department, MS/4-2C  
17075 Thormint Court  
San Diego, California 92127-2413  
Telephone: (858) 385-7185  
Facsimile: (858) 385-6025

(Also Form PTO-1050)

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO : 6,778,584

DATED : August 17, 2004

INVENTOR(S) : William N. Partlo et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Claim 1:**

- In Column 8, Line 7: (add the word --beam-- after the words high energy laser)
- In Column 8, Line 14: (add the word --means-- after the words a beam expanding)
- In Column 8, Line 14: (delete the word "a" and add the word --the-- after the words for expanding)
- In Column 8, Line 17: (delete the word "form" and add the word --from-- after the words in order to select)
- In Column 8, Line 18: (delete the word "wavelength" and add the word --wavelengths-- after the words range of)
- In Column 8, Line 24: (add the word --hot-- after the words to remove said)
- In Column 8, Line 35: (add the word --form-- after the words said slot is in the)
- In Column 8, Lines 49 and 50: (delete the word "feedbak" and add the word --feedback-- after the words comprising a)
- In Column 8, Line 51: (add the word --the-- after the words active control of)

MAILING ADDRESS OF SENDER: William C. Cray, Reg. No. 27,627  
Cymer, Inc. - Legal Dept., MS/4-2C  
17075 Thornmint Court  
San Diego, California 92127-2413

PATENT NO. 6,778,584

No. of additional copies



**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

## **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**